

## PATENT ABSTRACTS OF JAPAN

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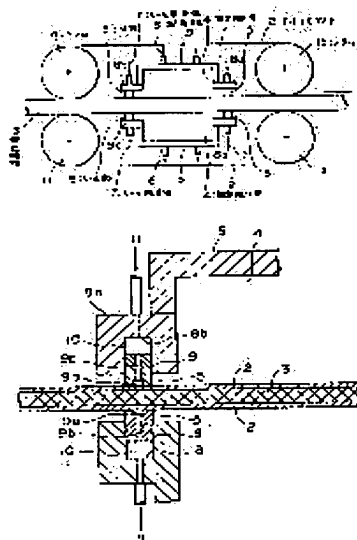
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## (54) CONTINUOUS PRESSURIZING DEVICE

## (57)Abstract:

**PURPOSE:** To lower the friction and to enhance the sealing effect at each sealing part by a structure wherein a pressing means to press sliding members, each of which is vertically shiftably fitted to each opening peripheral edge part of a pressurizing chamber, towards a conveying belt and a sealing fluid feeding means to feed sealing fluid between said sliding member and said conveying belt respectively are provided.

**CONSTITUTION:** Sealing fluid 11 is fed in each gap (pressurizing chamber) 10, which is formed by a sliding member 9 and a groove part 8b, in order to feed the fluid 11 through a hole 9b to a recess 9a. Thus, the sealing fluid 11 pushed out of the recess 9a fills a sealing part 5, resulting in preventing pressurizing fluid 6 from flowing outside. In addition, because the sealing fluid 11 forms fluid film at the sealing part 5, the friction between the sliding member 9 and an endless steel belt 2 is lowered. Accordingly, the endless steel belt 2 is transferred by means of small driving force. A matter to be compressed 3 is pinched between the endless steel belts 2 and transferred so as to be subjected to press-working during transferring. The sliding member 9 deforms by following up to the surface waviness of the matter to be compressed 3. Said deformation of the member 9 is absorbed by the pressurizing chamber 10. As a result, the sealing effect at the sealing part 5 is improved and at the same time the efflux of the sealing fluid 11 can be minimized.



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